

AMENDMENTS TO THE DRAWINGS:

The attached sheet of drawings includes changes to Figure 1. The "PRIOR ART" legend has been added to Figure 1.

REMARKS

The application has been amended and is believed to be in condition for allowance.

Figure 1 has been amended to add a Prior Art legend.

Claims 1-2 were cancelled and replaced with new claims drafted to be proper as to form and to patentably recite the invention.

The Abstract was amended in the preliminary amendment to address the noted formal matter.

The specification has been amended responsive to the noted formal matters.

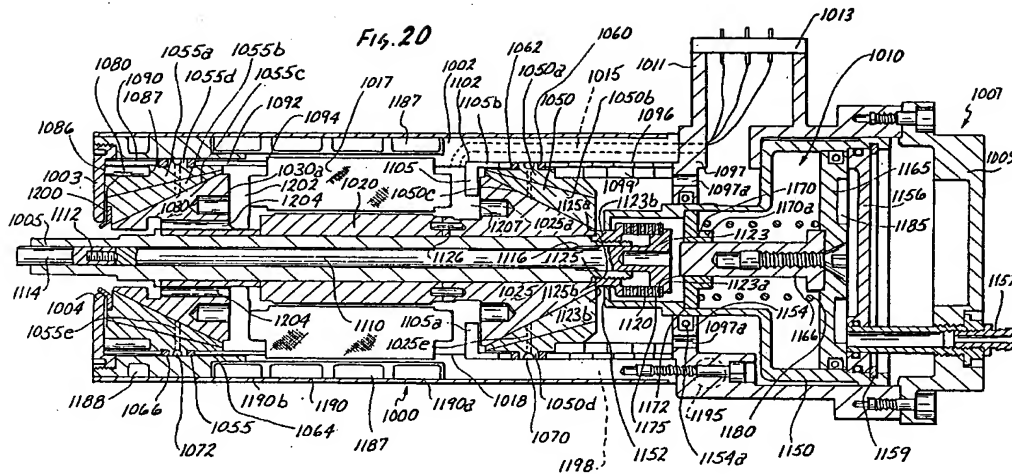
The prior claims were rejected as indefinite. Withdrawal of that rejection is solicited in view of the prior claims being cancelled.

The prior claims were rejected as anticipated by SCHWARTZMANN 4,884,899 or as obvious over Figure 1 of the application in view of SCHWARTZMANN.

Applicant respectfully disagrees and asks for reconsideration and allowance of the newly presented claims.

In support of this request, applicant makes the following remarks.

The Official Action appears to rely on SCHWARTZMANN Figure 20, reproduced below:



This is a very different structure than the invention, as now recited in the newly presented claims.

This Figure 20 structure neither anticipates, nor in combination with application Figure 1, renders obvious the new claims.

SCHWARTZMANN would have an outer case terminating at one end with a flange (1003) having an aperture. The recited collet is 1005.

However, there is no air directing means (8) attached to an exterior surface of the flange at the aperture and surrounding the end-most portion of the moving part. Element 1200 is not attached to an exterior surface.

SCHWARTZMANN does not disclose element 1200 being such that the air exits out of the case via a path defined by the air directing means at an outlet located intermediate the end-most portion of the air directing means and the end-most portion of

the moving part. The element 1200 may direct some air, but the air exits out the case via a path defined by the rounded edges of the flange 1003. This is the same air outlet exit as shown in application Figure 1 where the air is directed diverging away from the axis of the spindle. See air "D" in Figure 1 of the application.

Nor does element 1200 have a shape that collects the air exiting out of the outlet... Indeed, element acts on air entering the outlet, not exiting the outlet. As noted above, the rounded edge of flange 1003 acts on the air exiting out of the outlet.

Further, element 1200 does not redirect the air direction to be tangential to the end-most part (3t) of the collet.

Thus, claim 3 is neither anticipated nor rendered obvious.

Element 1200 is not a shaped cap (8) fixed to the outside of the said flange (7), co-axially with respect to the tool-holding collet (3), the cap extending beyond outer most surfaces of the flange and of the case.

The applied art does not show the air directing means (8) shaped to collect the air exiting out of the outlet in the first direction and to redirect the exiting air from the first direction to the second direction with an outward direction of

motion (E) tangential to the tapered converging sides of the end-most part of the collet.

The applied art does not show an air space defined between the air directing means (8) and the end-most portion of the moving part, the air space has a decreasing cross section, as measured orthogonal to the axis and approaching from the flange toward the outlet.

The applied art does not show said directing means as a shaped cap (8) fixed to the outside of the said flange (7), coaxially with respect to the tool-holding collet (3), the cap having a first cylindrical portion and an attached second converging tapered portion, the cap extending beyond outer most surfaces of the flange and of the case.

The applied art does not show the end-most part (3t) of the collet comprises converging tapered sides, and the air directing means (8) is shaped to collect the air exiting out of the outlet in the first direction and to redirect the exiting air from the first direction to the second direction with an outward direction of motion (E) tangential to the converging tapered sides of the end-most part of the collet.

The applied art does not show an air space defined between the air directing means (8) and the end-most portion of the moving part, wherein, the air space has a decreasing cross section, as measured orthogonal to the axis and approaching from

the flange toward the outlet along the second tapered converging portion of the cap.

The applied art does not show the air directing means directs the air exiting the outlet in the second direction that is converging toward the axis.

Claim 11 is believed allowable for the reasons discussed above. Further, the applied art does not disclose the air director (8) shaped to collect the air exiting out of the outlet from a first outward direction generally parallel to an axis of the moving part to a second direction with an outward direction of motion (E) tangential the end-most part (3t) of the collet and converging toward the axis as the air exits the outlet.

The remaining new claims are believed allowable for the reasons discussed above.

As discussed above, the newly-presented claims are believed to be patentable over the prior art. Accordingly, reconsideration and allowance of all the claims is respectfully requested.

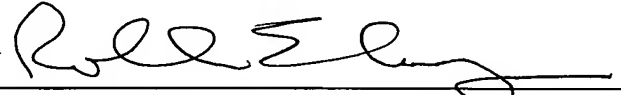
Applicant believes that the present application is in condition for allowance and an early indication of the same is respectfully requested.

The Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any

overpayment to Deposit Account No. 25-0120 for any additional
fees required under 37 C.F.R. § 1.16 or under 37 C.F.R. § 1.17.

Respectfully submitted,

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REL/lk

APPENDIX:

The Appendix includes the following item:

- a Replacement Sheet for Figure 1 of the drawings